



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

10/686,961

Source

IFWO-

Date Processed by STIC:

3/16/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENT IN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efc/efs/downloads/documents.htm>>, EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room HX03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/686,961

DATE: 03/16/2004

TIME: 12:15:57

Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\03152004\J686961.raw

3 <110> APPLICANT: Tao Co., Ltd. -and- Lee, Myung-Gyu
 5 <120> TITLE OF INVENTION: ORGANIC WASTE TREATMENT APPARATUS AND METHOD FOR RECYCLING
 6 AS A LIQUID FERTILIZER
 8 <130> FILE REFERENCE: FP03045CA
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/686,961
 C--> 10 <141> CURRENT FILING DATE: 2003-10-15
 10 <150> PRIOR APPLICATION NUMBER: KR 10-2002-0064229
 11 <151> PRIOR FILING DATE: 2002-10-21
 13 <160> NUMBER OF SEQ ID NOS: 2
 15 <170> SOFTWARE:

Does Not Comply
 Corrected Diskette Needed
 (pg. 1-4)

ERRORED SEQUENCES

36 <210> SEQ ID NO: 2
 37 <211> LENGTH: 510
 38 <212> TYPE: DNA
 39 <213> ORGANISM: B. stearothermophilus
 41 <220> FEATURE:
 42 <223> OTHER INFORMATION: 1~510 base pair of the 16s-rDNA
 43 derived from the B. stearothermophilus
 45 <400> SEQUENCE: 2
 C--> 46 aacgctggcggtgcctaatacatgcaagtcgagcggaccggattggggcttgctttgattcggtcagcgg 72
 47 cggacgggtgagtaaacgtgggcaacctgcccgaagaccgggataactccgggaaaccggagctaatacc 144
 48 ggataacaccgaagaccgcatggtcttcggttgaaaggcggcctttgggctgtcacttgcggatgggccgc 216
 49 ggcgcattagctagtgtgaggtaacggctcaccaaggcgacgatgcgtagccggcctgagagggtagccg 288
 50 gccacactgggactgagacacggcccagactcctacgggagggcagcagtagggaatcttcgcgaatgggcga 360
 51 aagcctgacggagcgacgcccgtgagcgaagaaggccttcgggtcgtaaagctctgttgtgagggacgaag 432
 52 gagcgccgttcgaagagggcggcgcggtgacggtacctcacgagaaagccgggctaactacgtgccagcagc 504
 53 cgcggt 510
 E--> 56 1

delete

please group the Nucleotide
 bases in sets of (10) each.

For example see below:
 aacgctggcg tggcggtg ctaatacagc

VARIABLE LOCATION SUMMARY

DATE: 03/16/2004

PATENT APPLICATION: US/10/686,961

TIME: 12:15:58

Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\03152004\J686961.raw

Use of n's or Xaa's (NEW RULES): *↓ Erron Explanation:*
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
in <220> to <223> section, please explain location of n or Xaa, and which
residue n or Xaa represents.

Seq#:1; N Pos. 4,5,14,21,501,504 ✓

<210> 1
 <211> 510
 <212> DNA
 <213> Bacillus sp. AURACE-S

<220>
 <223> 1~510 base pair of the 16s-rDNA
 derived from the Bacillus sp. AURACE-S

please explain
 "N" locations.
 See error explanation
 on page 2.

<400> 1
 AGCGGAACGCTGCGGCCGTGTCCTAATACATGTCAAAGTCGAGCGAACCGGATGGAGTGCCTTGCAATTC 72
 TGAGGTTAGCGGCGGACGGGTGAGTAACACGTAGGCAACCTGCCTGTACGACCGGGATAACTCCGGGAAACC 144
 GGAGCTAATACCGGATAGGATGCCGAACCGCATGGTTCGGCATGGAAAGGCCTTTGAGCCGCGTACAGATGG 216
 GCCTGCGGCGCATTAGCTAGTTGGTGGGGTAACGGCCTACCAAGGCGACGATGCGTAGCCGACCTGAGAGGG 288
 TGAACGGCCACACTGGGACTGAGACACGGCCCAGACTCCTACGGGAGGCAGCAGTAGGGAATCTTCCGCAAT 360
 GGACGAAAGTCTGACGGAGCAACGCCGCGTGAGTGAGGAAGGTCTTCGGATCGTAAACTCTGTTGTCAGGG 432
 AAGAACCGCCGGGATGACCTCGCGGTCTGACGCTACCTGACGAGAAAGCCCCGGCTAACTACGTGTCAACAN 504
 CCGCGG 510

please
 use
 lowercase
 letters

VERIFICATION SUMMARY

DATE: 03/16/2004

PATENT APPLICATION: US/10/686,961

TIME: 12:15:58

Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\03152004\J686961.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:27 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:1 ✓
L:27 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:1 ✓
L:27 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:27 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=1
M:341 Repeated in SeqNo=1
L:46 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=2
L:56 M:254 E: No. of Bases conflict, this line has no nucleotides. ✓